

## BILL PROVIDES FOR COAST DEFENSE BY RAILWAY ARTILLERY

Novel Plan Sponsored by Congressman Capstick Attracts Attention.

SCHEME IS ECONOMICAL

Entire System Would Cost Only \$50,000,000, and Only Fifth Is Asked Now.

Congressman Capstick's bill introduced in the House Saturday, calling for \$50,000,000 with which to construct a mobile artillery system of coast defense, attracted widespread attention at the Capitol. Advocates of preparedness and their opponents as well manifested a keen interest in the terms of the bill because of the unique features of economy and efficacy in it.

In a nutshell, the scheme calls for the construction of armored railroad cars, mounting giant mortars or guns, which can be switched from any section of the coast to another on short notice and which, on arrival at any strategic point, will be automatically locked on previously constructed concrete foundations, ready for instant operation. It is proposed in the bill that an appropriation of \$10,000,000 be made within a short time to be utilized in the manufacture of guns and mortars with their supporting cars and for the purchase and preparation of a sufficient number of concrete foundation sites to test the system in any area which may be designated by the Secretary of War.

**150 Gun Foundations.**  
The bill provides for the construction of 150 foundations along the Atlantic and Pacific coasts and the manufacture of fifty cars mounted with mortars and ten with 14-inch rifles. Provision is made in the bill for the selection of the foundation sites or firing points by a board of officers, which shall consist of three from the army, three from the navy and three from the railroad whose tracks will be used by the mobile artillery and along which the firing points will be established.

The plan calls for the shifting of the armored railroad flat cars from one foundation to another as necessary demands. The cars can be hauled as easily as any other loaded railroad car, according to Lawrence Luelien, of New York, who, together with Cecil E. Lupton, inventor of the transportation and other features of the new coast defense system.

The two questions most frequently asked about this system," said Mr. Luelien today, "are: 'Will ordinary railroad ties and rails support the weight of these cars and guns?' and 'Will the concrete foundations be able to stand the shock of the recoil?' The answer to both of these questions is 'Yes,' because we have gone thoroughly into both of these matters and have the assurance of our own experts and the department that the system is entirely feasible and practical.

**Support More Weight.**  
"The weight of a car equipped with a 14-inch rifle would be 370,000 pounds, 20,000 for the gun and carriage, and 350,000 for the car. This would place a weight of 15,000 on each wheel. The cars would be sixty-seven feet long. Railroad ties and rails are today supporting more than this weight in cars and cargoes."

Mr. Luelien then exhibited letters from three railroad presidents, each of whom heartily endorsed his invention and assured him their lines would be glad to co-operate with him and the Government. They also declared the weights of the cars mentioned were such as to make transportation as easy and simple as the handling of freight. "The concrete foundations into which the movable cars will be locked will be of such size and substantial nature that they cannot be damaged by the concussion caused by the discharge of the gun. By ascertaining the weight of the projectile and the muzzle velocity we can determine what the recoil will be and construct the concrete foundations large enough to take this recoil without damage. The sides of the car will slide into the stationary foundations and be locked there so securely as to make the car and foundation like one continuous piece of concrete and metal. Even admitting that the foundations would be damaged, they could be repaired with the same ease and preparation which will happen in a few hours. This cement was used by the Germans in mounting their big guns in a hurry."

**Many Advantages.**

Mr. Luelien said the mobile artillery system had many advantages over an attacking fleet, heavy guns mounted on caterpillar treads, like the forty-two-centimeter guns, and over other tested forms of heavy gun armament. Summarizing these advantages as he sees them after many months of personal study and conference with generals in the War Department, Mr. Luelien said:

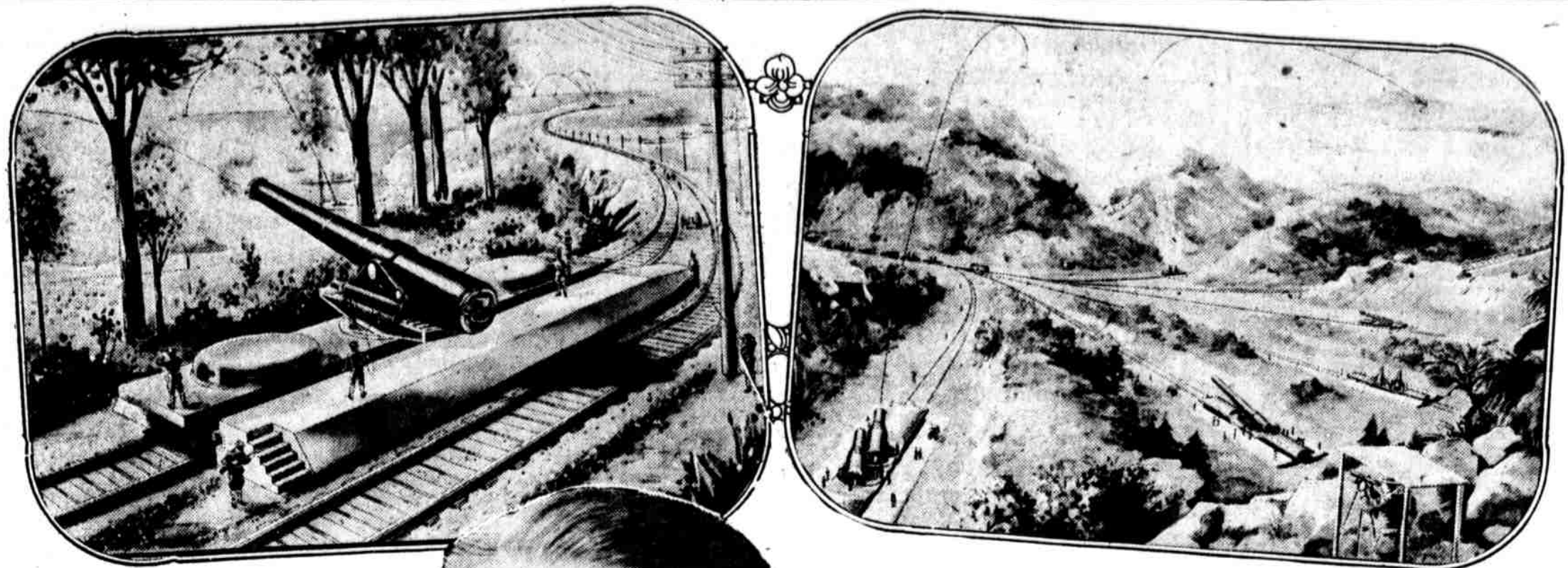
"The objective point of attack of an enemy's navy desirous of making landing parties is a suitable location upon land for a base from which to operate an army. Our navy may be overpowered or evaded until such base is obtained by the enemy. Under present conditions we would, in all probability, be powerless to then attack such base after a large force was put ashore. The Luelien-Dawson mobile armament system, however, could be used not only against the enemy's fleet but also against landing parties, and later against the enemy's base should they be powerful enough to establish one.

"Gun fire ashore, when fired from a solid foundation, is more accurate than gun fire afloat. Our system, therefore, has greater accuracy of fire.

**Battleship Big Target.**  
"A modern battleship offers an expensive and comparatively large target as compared to the mobile armament car of the Luelien-Dawson defense system type. One shot well placed on a battleship will cause its destruction together with all its men and large number of guns, while one hit scored against the Luelien-Dawson mobile armament car loses only one or two guns and comparatively few men.

"An attacking navy offers a target within sight and the possibility of observation where the shots fall for recalculation on the next shot, while the

## HOW "RAIL DEFENSE" WILL LOOK AND ITS INVENTOR



Luelien-Dawson mobile armament may be fired from a secluded spot, behind hills or in deep railroad cuts, where the enemy cannot so readily observe and direct the fire, or often where the direct fire of the fleet's guns cannot possibly reach. No mortars are mounted on battleships. The fleet's guns have little or no chance of being used to advantage against land operations, while our system can be used effectively on the coast waters and on land.

"Aeroplane scouts have a better opportunity of seeking out and locating an enemy's fleet than the have of locating the Luelien-Dawson mobile armament cars.

**Cars Have Advantage.**  
"Faint attacks by the fleet may be used to advantage against a slow moving army or guns mounted on caterpillar treads or movable platforms, but not with our cars, as they can be brought into action as quickly, and moved more rapidly on land, than the battleship can move through the water.

"Fixed fortifications in the United States are really used for harbor defenses; our extensive coasts limit their use as coast defenses. Our system can be used more effectively as coast, harbor and city defenses than fixed fortifications because it has just as accurate fire and gives added strategic value to heavy guns.

"Fixed fortifications are useless when the enemy's guns have a longer range or have succeeded in locating the guns in the fort. Our system may shift its guns to points of advantage or to secluded spots out of range of the enemy. "Guns and equipments in fixed fortifications can be used only within the range of that fort. Guns of our system can be quickly mobilized and used wherever an attack is threatened or actually being made."

**Can Be Remodeled.**  
"A fixed fortification can be easily remodeled and used against us by the enemy when captured unless it is entirely destroyed before falling into its hands. The Luelien-Dawson mobile armament system can retire or retreat, giving ground without risking capture of the heavy guns kept miles behind the firing line during an engagement.

"Permanent fortifications offer a sure target to the enemy after their location is discovered by the enemy's aviators or through their own fire. Our system offers a very small target and could be quickly moved after being sighted by an aviator or after firing.

"The number of guns of a permanent fortification are fixed and are usually quickly increased to repulse a more powerful enemy. Our system can bring any desired number of guns into the engagement within a comparatively short time.

"In a fixed fortification the number and location of the guns are usually known to the enemy previous to the engagement, while with our system the size and number of the guns would not be known and could be changed at will.

**Can't Be Fired Landward.**  
"In present United States fortifications the large-calibered disappearing rifles cannot be fired landward. In our system such rifles can be fired in any direction from the car, and the car can be moved to any desired foundation.

"Fixed fortifications are so expensive that they are only used for harbor defenses and could not be desirable or adequate as coast defenses.

"Our system, at a reasonable expense to the Government, could be used not only for harbor defense purposes, but also to defend our coasts and inland waters should the latter become necessary.

"Large calibered guns on caterpillar treads or a portable platform are cumbersome and unwieldy. They may be transported and brought into action after great difficulty, against fixed fortifications, army bases, or even slow-moving armies, but against an attacking fleet, whose guns are ready for action, in and out of range in a few minutes, they would be almost harmless. Monster coast defense guns, under our system, can be mounted and brought into action in a very few

## Don't Suffer

Send For Free Trial Treatment. No matter how long or how bad you suffer from piles—go to your druggist today and get a 50 cent box of Pyramid Pile Treatment. It will give



The Pyramid Smile From a Single Trial.

A relief, and a single box often removes them entirely. A trial package mailed free in plain wrapper if you send us coupon below.—Adv't.

**FREE SAMPLE COUPON**

Pyramid Drug Company, 608 Pyramid Bldg., Marshall, Mich. Kindly send me a Free sample of Pyramid Pile Treatment, in plain wrapper.

Name.....

Street.....

City..... State.....



PHOTO BY BUCK.

Above, left—General view of railroad, showing number of artillery cars in action.

Above, right—Close view showing mobile artillery car locked to a concrete foundation and in action.

Below—LAWRENCE LUELLEN, inventor.

minutes, where they can be repeatedly fired accurately about once a minute.

"To direct the fire of a second shot quickly and accurately from where the first shot struck, the axis of gun elevation must remain horizontal after the first shot is fired. If the shot is fired at a moving target, the axis must be shifted in a horizontal plane to accurately gauge the second shot. Therefore, your foundation must remain level to get the greatest efficiency out of the weapon. If the base or support of the weapon shifts when fired, it requires considerable time to re-level or re-place the gun for a second shot. This duration of time, therefore, becomes very important, and would probably prove to be a fatal defect at a critical moment, as the vessel might change its speed or course during that time. Our system includes level embedded concrete foundations that will not shift when heavy guns are fired therefrom.

"Caterpillar treads or moving bases on soft, untried ground might be used with some effect against a fixed target, but cannot be used efficiently against a moving target, such as is offered by an attacking fleet. Our system is designed especially to be used quickly and effectively against moving targets, such as ships.

"An attack from a fleet for making landing parties should be met in a matter of minutes and not hours, and the bill asking for the appropriation to build the Luelien-Dawson system or any other equally promising mobile armament species. "Railway artillery carriages shall be capable of entering upon and interlocking with the foundation in not less than five minutes."

**YES—IT IS POSSIBLE TO STOP RHEUMATISM**

Rheumatism is a tormenting and stubborn malady. In some cases it yields to treatment which is without avail in other cases.

The darting pains, lame muscles or stiffened joints only disappear by gradually expelling the uric acid, and so many thousands have been relieved by the blood-enriching oil-food in Scott's Emulsion that you should give it a faithful trial. Scott's Emulsion acts as a powerful blood-purifier by increasing the red corpuscles and it strengthens the organs to carry off the acids which cause the trouble.

Try Scott's Emulsion. It cannot harm. It has helped thousands and may be exactly what you need. No Alcohol.

Scott & Bowne, Bloomfield, N. J. 15-79

**TODAY'S AID TO BEAUTY**

An especially fine shampoo for this weather can be easily made at trifling expense by simply dissolving a teaspoonful of canthox in a cup of hot water. Pour slowly on scalp and massage briskly. This creates a soothing, cooling lather that dissolves and removes all dandruff, excess oil and dirt. Rinsing leaves the scalp spotlessly clean, soft and pliant, while the hair takes on a glossy richness of natural color, or also a fluffiness which makes it seem very much heavier than it is. After a canthox shampoo arranging the hair is a pleasure.—Adv't.

## ICE WATER FUNDS GO UP IN SMOKE

All of Contingent Fund For Department of Labor Is Already Exhausted.

Employees of the Department of Labor are facing a long drought, due to a shrinking of the contingent fund of the department.

Employees are being informed that, owing to lack of funds, the department has found it necessary to forego purchases of ice, and that ice water will not be furnished in the future. There is no relief in sight, as the urgent deficiency measure now under consideration in the House makes no addition to the contingent fund or provision for ice or ice water.

Some weeks ago, the department heads were confronted with the alternative of banking the furnace fires, and letting employees shiver in the wintry temperature, or of foregoing the joys of ice water in the hot days to come. It was decided to take care of the present, and hope for the future. Consequently the ice water funds have been burned up in coal. The department will continue to have plenty of water, but it will not have the refreshing coolness

of the water usually furnished to Uncle Sam's workers.

Hearing of the sad plight of their co-workers, Department of Commerce officials have invited the Labor Department employees to visit the Commerce building, and partake of a cooling draught of the water furnished from that department's refrigerating system.

The business men of the United States will welcome the appointment of a non-partisan tariff commission in the opinion of John H. Fahney, president of the Chamber of Commerce of the United States.

Discussing the announcement in President Wilson's letter to Congressman Kitchin, he said:

"The sentiment of business men in favor of such a commission has been almost unanimous for many years because of the general disturbance of business which has usually attended the making of our tariffs under the system which has prevailed until now."

**To Put On Flesh and Increase Weight**

**Good Advice To Thin People**  
"I'd certainly give most anything to be able to gain a few pounds and stay that way," declare many thin men and women, and a result is usually not impossible despite past failures. Most thin people are victims of mal-nutrition, a condition which prevents the fatty elements of food from being taken up by the blood as they are when the powers of nutrition are normal. Instead of getting into the blood much of the fat and flesh producing elements stay in the intestines until they pass from the body as waste.

To correct this condition and to produce a healthy, normal amount of fat the flesh making food elements must be so prepared in the digestive processes that the blood will accept and distribute them throughout the body. There is a preparation called Sargol, which works on this basis and which is sold by nearly every druggist on a positive guarantee of weight increase or money back. Hundreds have testified to weight increase from its use.

Sargol does not of itself make fat but is simply a combination of ingredients of acknowledged merit that, taken with meals seems to better enable the digestive organs to separate the fattening elements of the food and to prepare them in a form which the blood can readily absorb. Sargol comes in a tablet form, is pleasant and easy to take and its action is perfectly natural and harmless. Sargol is sold by druggists everywhere who are authorized to refund the full purchase price if weight increase is not obtained.

NOTE:—Sargol is recommended only as a flesh builder and while it has produced excellent results in cases of nervous indigestion and general stomach disorders care should be taken by those using it who do not want to increase weight.—Adv't.

Put your faith just once—in "Ely's Cream Balm" and your cold or catarrh will surely disappear.—Adv't.

Instantly Relieves Swollen, Inflamed Nose, Head, Throat—You Breathe Freely—Dull Headache Goes—Nasty Discharge Stops.

Try "Ely's Cream Balm." Get a small bottle anyway, just to try it—apply a little in the nostrils and instantly your clogged nose and stopped-up air passages of the head will open; you will breathe freely; dullness and headache disappear. By morning the catarrh, cold-in-head, catarrhal sore throat will be gone.

End such misery now! Get the small bottle of "Ely's Cream Balm" at any drug store. This sweet, fragrant balm dissolves by the heat of the nostrils, penetrates and heals the inflamed, swollen membrane which lines the nose, head and throat; clears the air passages; stops nasty discharges and a feeling of cleansing, soothing relief comes immediately.

Don't lay awake tonight struggling for breath, with head stuffed, nostrils closed, hawking and blowing. Catarrh or a cold, with its running nose, foul mucous dripping into the throat, and raw dryness is distressing but truly needless.

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## OPENS UP NOSTRILS, CLEARS HEAD, ENDS COLD OR CATARRH AT ONCE

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## BEGIN ON SALTS AT FIRST SIGN OF KIDNEY PAIN

We eat too much meat, which clogs kidneys, then the back hurts.

Says glass of Salts flushes Kidneys and ends Bladder irritation.

Uric acid in meat excites the kidneys, they become overworked; act sluggish, ache, and feel like lumps of lead. The urine becomes cloudy; the bladder is irritated, and you may be obliged to seek relief two or three times during the night. When the kidneys clog you must help them flush off the body a urinous waste or you'll be a real sick person shortly. At first you feel a dull misery in the kidney region, you suffer from backache, sick headache, dizziness, stomach gets sour, tongue coated and you feel rheumatic twinges when the weather is bad.

Eat less meat, drink lots of water; also get from any pharmacist four ounces of Jad Salts, take a tablespoonful in a glass of water before breakfast for a few days and your kidneys will then act fine. The famous salts is made from the acid of grapes and lemon juice, combined with lithia and has been used for generations to clean clogged kidneys and stimulate them to normal activity, also to neutralize the acids in urine, so it is no longer a source of irritation, thus ending bladder weaknesses.

Jad Salts is inexpensive, cannot injure, makes a delightful effervescent lithia-water drink which everyone should take now and then to keep the kidneys clean and active. Druggists here say they sell lots of Jad Salts to folks who believe in overcoming kidney trouble while it is only trouble.—Adv't.

## BAD STOMACH?

ONE DOSE OF MAYR'S Wonderful Remedy Should Convince You That Your Suffering Is Unnecessary.



A million people, many right in your own locality, have taken Mayr's Wonderful Remedy for Stomach, Liver, and Intestinal Ailments, Dyspepsia, Indigestion, Gas Around the Heart, Sour Stomach, Distress After Eating, Nervousness, Dizziness, Fainting, Spasms, Sick Headache, Constipation, Torpid Liver, etc., and are praising it highly to other sufferers. Get a bottle of your druggist today. This highly successful remedy has been taken by people in all walks of life, among them Members of Congress, Justices of the Supreme Court, Educators, Lawyers, Merchants, Farmers, Doctors, Druggists, Nurses, Manufacturers, Pilots, Ministers, Farmers, with lasting benefit and it should be equally successful in your case. Send for free valuable booklet on Stomach ailments to Geo. H. Mayr, Mfg. Chemist, 131-135 Whiting Street, Chicago, Ill. For sale by druggists everywhere.

"Daddy, just because we don't know what we're missin' is no sign we're not foolin' ourselves. Is savin' \$2 a month worth doin' without a telephone? Only 7¢ a day, Daddy?"

ask Main 9000

Remember the new rate—\$2.00 a month for two-party line service—a little less than 7c a day.

This rate becomes effective April 1st, 1916. All contracts, taken now at the old rate automatically change to the new rate on above date.